

THAT WHICH IS CLAIMED IS:

1. A catheter assembly useful for the defibrillation or cardioversion of a patient's heart, said assembly comprising:

5 a first transvenous catheter configured for insertion into the heart of said patient, said first transvenous catheter having a proximal end portion, a distal end portion, and an elongate intermediate portion therebetween, and with said first transvenous catheter having a first electrode connected thereto;

10 a second transvenous catheter configured for insertion into the heart of said patient, said second transvenous catheter having a proximal end portion, a distal end portion, and an elongate intermediate portion therebetween; and

a connecting member attached to said first transvenous catheter, with said connecting member connected to said second transvenous catheter intermediate portion.

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2. A catheter assembly according to claim 1, wherein said connecting member is attached to said first transvenous catheter distal end portion.

20 3. A catheter assembly according to claim 1, wherein said second transvenous catheter is configured for insertion into the coronary sinus.

4. A catheter assembly according to claim 1, wherein said second transvenous catheter is configured for insertion into the right ventricle.

25 5. A catheter assembly according to claim 1, said second transvenous catheter having at least one electrode connected thereto.

30 6. A catheter assembly according to claim 1, wherein said connecting member is permanently connected to said second transvenous catheter intermediate portion.

7. A catheter assembly according to claim 1, wherein said connecting member is releasably connected to said second transvenous catheter intermediate portion.

5 8. A catheter assembly according to claim 1, wherein said connecting member comprises a retractable loop.

9. A catheter assembly according to claim 1, wherein said connecting member comprises an elastic loop.

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10. A catheter assembly according to claim 1, wherein said first electrode is connected to said first transvenous catheter intermediate portion.

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